

## Bharat Tablet PC PCB BOM

Location	Vendor	Part Number	Description	Cost
U9	TI	AM1808B ZCE4	Sitara ARM SoC, 456 MHz	
U13, U14	Micron	MT47H128M8CF-3:H	128 Mb x 8 DDR2 SDRAM, 333 MHz	2
U6	Micron	MT29F1G08ABADAH4:D	128 Mb x 8 SLC NAND Flash	2
P1	Micro Nova	2 GB, no class	microSD NAND Flash	6
U4	TI	TLV320AIC3106	Stereo Audio Codec	1.8
U5	SMSC	8710A	100baseT PHY	
U10	TI	TPS65070	Sitara PMIC	
U7	TI	TPS60110	5V, 0.3A charge pump (for USB)	
U2	TI	TPS65150	LCD Analog Voltage Pwr. Supply	
U3	TI	TPS61042	Backlight boost power supply	
U16	TI	70533 14T C8RQG4	? (near U13) SOIC-8	
U15	?	AABR AUAD	8 pin linear voltage regulator	
U1	?	ADB NAA	8 pin power (feeds J2 – unpop)	
U12	?	17040 16A4S	8 pin, near J13	
U8	?	C11K	6-pin linear voltage regulator	
U11	?	AWK	5-pin voltage supervisor ? Regulator ?	
P1		microSD socket, latching	internal SD slot	
J8		full size SD slot, ejecting	external SD slot	
J12, J13		USB type A	USB ports	
J9		RJ-11 jack, rt. Angle	LAN port	
J4		1/8" phono jack, stereo	Headphone out	
J5		1/8" phono jack, stereo	Microphone In	
J14		2 mm IDC jack	DC power input	
		2-pin, 2.54mm, rt., shrdd	2-pin connector to battery	
		2-pin, 2.54mm, shrouded	2-pin connector to speaker	
J11		4-pin flex cable connector	Touchscreen connector	
J10		50-pin flex cable connector	Display connector	
S1		Switch, momentary SPST	"Power" button	
SW1, SW2		momentary SPST	front buttons	
L1		4.7 uH power inductor	near U3 (Backlight)	
L2		3.3 uH power inductor	near U2 (LCD Analog)	
L3,L4,L5		2.6 uH power inductor	near U10 (PMIC)	
TFR1	WE-MIDCOM	100baseT balun		
5x		22 uF, 16V tantalum		
6x		10 uF, 16V tantalum		
14x		Large (1206) ceramic		
D8	ON Semi.	B34	Schottky diode (near U10)	
D1	ST ?	G30	Schottky diode (near U3)	
Y4		AE24.0MAD	24 MHz crystal (near U9)	
Y1		AE25.0MAD	25 MHz crystal (near U5)	
Y3		32.768	32.768 Khz crystal (near U9)	
Y2		AL CXO 24.576M	24.576 MHz Xosc (near U4)	

The Cost column is an estimate of the cost in volumes of 100K